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095604-09201

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<213> Escherichia coli
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<212> DNA

<213> Escherichia coli

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 cgtattaaca gttataaagg ncagcctgtc acccggtctg cgttgatgct gaatttactg 660
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<210> 10
 <211> 2920
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1250)..(1250)
 <223> n equals a, t, g, or c

<400> 10
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 cgggaaatac tatgggagga ggtcagaata atgtactggc aacaaatata actcattttg 360
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 cagtgcctt tcgtaatggc agcgggatac tgaatggcgg ggatttccgg accacggcca 540
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0955004-092001

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caacttagtg	ttaaagtaac	cgatattggt	caattcatag	tggatataaa	ctccgcatca	780
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<210> 11
 <211> 1678
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1666)..(1666)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1677)..(1677)
 <223> n equals a, t, g, or c

<400> 11
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 aatgcttttt ttatgttaat gtgcgttatg aaactaaatg caagaaacat atttaaagga 240
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 gagcttatta tgaatatgaa caatccatta gaggktcttg ggcatgtatc ctggctckgg 360
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 tgtagttggg gctaatttaa gtttagaaaa tgaaattaaa taccctaag atgttacctc 540
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 tttcggggat aacggtgccc tgtacaaata tatgggaaaa aaattccctg atgaactatt 660

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<210> 12
 <211> 2676
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (447)..(447)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1100)..(1100)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature

092001-092001

<222> (2660)..(2660)

<223> n equals a, t, g, or c

<400> 12

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acgaagatat	taatgcttta	gttgatcccc	acgatgatcc	tacaccaata	ataacagcat	1260
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09956004-092001

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<210> 13
 <211> 1485
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n equals a, t, g, or c

<400> 13
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<210> 14
 <211> 22671
 <212> DNA
 <213> Escherichia coli

 <220>
 <221> misc_feature
 <222> (19750)..(19750)
 <223> n equals a, t, g, or c

 <220>
 <221> misc_feature
 <222> (20174)..(20174)
 <223> n equals a, t, g, or c

<400> 14
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 <211> 2385
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (131)..(131)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (133)..(133)
 <223> n equals a, t, g, or c

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095604-092001

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<210> 16
 <211> 746
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (718)..(718)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (741)..(741)
 <223> n equals a, t, g, or c

<400> 16
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tcttttatct gttttacaga naattt

746

<210> 17
 <211> 411
 <212> DNA
 <213> Escherichia coli

<400> 17
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<210> 18
 <211> 977
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (956)..(956)
 <223> n equals a, t, g, or c

<400> 18
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 aaacgtgcaa ataaaataga ggagtattca caacgattca aaaaacttgg atacgatgg 180
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<210> 19
 <211> 400
 <212> DNA
 <213> Escherichia coli

<400> 19
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 gaaaaagtgg cgatcaaata ccgcgcgcgc attctgttta acgggtccaac cggcgcgggc 120
 aagtcatttc tggcgcgcgc catcttagag ttaaaacagg cgcgcatca gtttagcggc 180
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 ggtcatgtaa aaggcgcgtt taccggggcg cggaatctc gtgaagggtt attacgcagc 300
 gccaacgggg aaatgttgtt tcttgatgag attggcgaac tgggcgcgcgac gaacaggcaa 360
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<210> 20
 <211> 12368
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (6059)..(6059)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (10634)..(10634)
 <223> n equals a, t, g, or c

<400> 20
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<210> 23
 <211> 2677
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (2522)..(2522)
 <223> n equals a, t, g, or c

<400> 23
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aagcgtcttg	aagagggcct	ggttgaactg	cgcggtgaaa	agcagattga	aatcaaattcc	240
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gacaacattc	tcaaytccag	caccttcaaa	gcaggtatga	gcgcctgtat	ttgtatcctg	480
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<210> 24
<211> 537
<212> DNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (521)..(521)
<223> n equals a, t, g, or c

<400> 24
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attgccaaact gccagtcctt taagggcagc attcagcgcc ttacgcgggg cattctgctc 180
cagaaatacg tatgccaa gt gagcgtgtac atcaataaag tcattctcct gtcgggcaag 240
gcgcctgagt ttgttgatgt aacttgtttc gctgatttca tccgcacgt atgcatcaat 300
cagttcttca aactcatcca gcaacgagcc aaaccagggt tccggaaata tgaaacagcc 360
ctgggttatcg ttcaacttcaa agcgtaattt gccagtcata ttctgaacct gtaaaaaagg 420
atagaccata atctgcaggc tataaaaatt gtggatgcct ggcatcgggt gtccttttat 480
tgtccgggat taacgttgcc catgataata cagtgaatcc ngttctgtgg taagacg 537

<210> 25
<211> 1128
<212> DNA
<213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1074)..(1074)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1079)..(1079)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1115)..(1115)
 <223> n equals a, t, g, or c

<400> 25
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 atattttacct tcattacaga tatgaacttc cgcattcttt tcaaatacgtg atgccaggct 240
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 tgtccagctg cccgacagac aggaatacgc tgagtctgcc actcttcacc ttgcaacaac 360
 ttctcgcgag gatctcccca gcgatcactg ttttcaagcc cagatgtccc cggcggcgca 420
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 ggatgcgctt tttcgaacca ttcagttctg ccagataatg aatcgcagcc agtacatgtc 600
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<210> 26

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<220>
<221> misc_feature
<222> (3)..(3)
<223> n equals a, t, g, or c
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gagttgagca	acggccgcaa	aaggaaccgt	gaacattcgt	gtctggccat	tagactctgt	420
tatcttaacg	agaaggtcac	cagcatatcc	actgggatat	aaatcattga	tgacaaatgg	480
tccggctggc	accgtcgttt	catagaggat	atgagcattt	tgataaatgg	ttacttttagc	540
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<210> 27
 <211> 1118
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (228)..(228)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (261)..(261)
 <223> n equals a, t, g, or c

<220>

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<221> misc_feature
 <222> (693)..(693)
 <223> n equals a, t, g, or c

<400> 27
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 ccagattata gggacaccgc atattcacag taaactcttt ttcgtgantt ccattttgac 240
 tcagggtctg aatctctaca ncctgccagt caacagttgt gttgcttaca gtacaggcag 300
 gaataatcag ttttctctg aaggtcagat tatcaactgc atgtacatgc tgagacatta 360
 aactgcccc cagcattacc ggaagacaca aacctcttat ctttttcatc tgaaatatcc 420
 tgtacaaaaa ttttgctaac gatatgtcaa ttcaaacgtg gctgttgctt cataatcacc 480
 gggtagcaca ctcttcgtcc gcagggttc cggcgttgcc acaacatacg cgccgaaagg 540
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 ctctctctgg cggcgggtaa ggcggggaca gtaaaaaa 1118

<210> 28
 <211> 562
 <212> DNA
 <213> Escherichia coli

<400> 28
 ttcgtgggtg aaatcgtagg ccgcgctttt ttgctgatcg gccagttgat gaataggggtg 60
 gccakgatcg ggataaacg tacaggcagc gataaacaga cagcccggat agcggttgtt 120
 tttaacgcac tccgataacg cctgataacg tgccagcaac ttttggtcgg cggtttgctg 180
 ttcgtccagc atcagctgac gacgccagac atctatctgt tggctaagat aacgcagcgc 240
 atcgtagagg attgcctctt tgtctggcca gaagcggcgt actcgtccag tggataatcc 300

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acacgttcag caaccatctc cagcgtggtg ttggcaatcc cttgtaattc taataatttc 360
 agggcttctc ccagtacatc ttcacgttgc acgctatttt cctccgkctt tcccactgca 420
 atgttcgkctc acggttggcg atcgcgcaaa tgtgcgctgg aaggtttcag catccataaa 480
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 ccggtagggc caaggatatt aa 562

<210> 29
 <211> 745
 <212> DNA
 <213> Escherichia coli

<400> 29
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 cggttaagtac agataaccac aacataagct cattcagtaa attttatctc tgaacaaacg 120
 actatggcat gctcatttat actattcata agaaagtgtg attatctgta agcattaacc 180
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 gaatcatgaa caccatttaa aattaccatc attaacatca tataaaaaata tatttttact 360
 aaaacatgaa ttgtatatat ttattagctc aggaaaatta tcagggttca cttcaaatt 420
 aacctgaatg ttatgcttaa tttcaccag tagttcttca tgtgtagatt ttattatccc 480
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 cagtttaatg aatgccacca gagcaaacat ttcaagatgt agccataatg ctacgttagt 600
 tttttgcaaa gtataaaaaa ttgaattcgc cactttttta cttattgctc ttttatactg 660
 tgatcgagca agattcagta gcggaagtcc tcgttcaata aatgaatgtg aaaagactgg 720
 ataaattgat gtcggaaacc tttca 745

<210> 30
 <211> 400
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n equals a, t, g, or c

<400> 30
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 attacgtaac gtatcgagga aatcgaggta gccctgatca acatctttgg tgacgtagac 120

00260" 4095660

gccggtgaac accgagcatt caaactgctg gatatccgga ttttcagcgc gaacggcgctc 180
 gatcagatcg ttcagatcct ggaaaatcaa cccgtcagca ccgatgatct ggccaatttc 240
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 cgttcgggaa agcgaatttc cggtgccgca gaagcgaggt acactttctt cgctccggct 360
 tcgctgcca tctcgataat ctgtcagaag tgggtgccag 400

<210> 31
 <211> 824
 <212> DNA
 <213> Escherichia coli

<400> 31
 tgctgacgat gaggcagcca gagcattaga gccgaaaaga agggatgatg ccatgactgc 60
 tgttgctata aaatgtttca tatattctcc atcagttctt ctggggatct gtgggcagca 120
 tatagcgctc atactagggg tttgagggcc aatggaacga aaacgtacgt taaggagata 180
 attcgttggt tatatttaaa tttagagctc tcagttcccc ttttaaaata tcctctggca 240
 acgtgaatgt ataatggccc aacatattga tatgcccgtg catcagggga gatagccgag 300
 cgatatcttc atctataatt tcttcgccat tacggcgcat ccagctcaac gcttcctcca 360
 tatagagcgt gttccacaga accactgcat tagtaaccag gcccagcgcc cccagttgat 420
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 catgaattgt acccaacttc aggaaccagc ggctcgcatc atctcatccc actgactctc 720
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<210> 32
 <211> 911
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (841)..(841)
 <223> n equals a, t, g, or c

<400> 32
 acaaacaga ccagttaacc agtcagtcgg ttttatgatt tcaactcacta tactttggtt 60

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cataaggatt tcaggatctg ccagactgcg cagaaatgat gcttacgaat acacagtaaa 120
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 cgacagaata tgatgtttta tcgtaacgta attttaagtt ctcaacttat tgagacatat 240
 tgtctttttt acccatgtgg tcattttttca tcccatccgt tttgctcatg tgttctttct 300
 ccattttctc tttatccatt gcatttttgc acataccatc cttgcacatt ttatcatgcg 360
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 tcaggaaatg ccggaatggt atccctcccc attttccctat tgcactccat ccttcaacac 840
 ngatatgacg ggttatctga ctacatgct gcatgttata caattcagac caaaaaccag 900
 ttacgggtta t 911

<210> 33
 <211> 463
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n equals a, t, g, or c

<400> 33
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 agcgtgaaac tttgctatta tgtcttcgta agattcacgg acggttatac ttgagcctga 120
 ttctgtgaag taaacaacag cagaagcatc gttgcctttt tcaatgtatg aaacattcca 180
 gtcattggata gccactgcgg gctgaccatt atcccagcgg tgcgtcttaa tgaatcgcgg 240
 aagtaattct gcaatatcgt taaaaacacc atttacggta tgagtgtatc caccaacgca 300

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atgtagatga gttgactccg gggtatcatt gtctgcttct gcaaagagta tagctgtctt 360
 gctaattgta acaggcgcct gtgarcggga taattcgaga gaaataaacc cggattctgc 420
 cataaaaaact ccagtttgtg atgttatatc atttcatatg ttt 463

<210> 34
 <211> 565
 <212> DNA
 <213> Escherichia coli

<400> 34
 ttctaacctc tgaccaaaaa cagaattacg gttgttatgc tgcagaacct aatgacgtgc 60
 aactggcgcg ctattttcat cttgatgaac gggatctggc cttcattaac caacgacggg 120
 gcaaacataa taggctgggc attgcgcttc agctcaccac agcccgtttt ctgggaacat 180
 ttctgacgga ttttaactcag gttctgcctg gtgttcaaca ttttgtcgcg gtacagctta 240
 atatccaccg tccagaagtt ctctcccgt atgctgaacg ggacactacc cttagagaac 300
 atactgcatt aattaaggaa tattacggct atcatgaatt tggatgatttt ccatggctctt 360
 tccgcctgaa gcgtctgcta tatacccggg cgtggctcag taatgacgac cgggtctgat 420
 gtttgatttt gccactgcat ggttgcttca aaataaggta ttactgcccg gagcaaccac 480
 actagtacgt ctcatcagtg aaattcgtga aagggcaaata cagcggctgt ggaaaaagct 540
 ggccgcactg ccgaacaaat ggcag 565

<210> 35
 <211> 512
 <212> DNA
 <213> Escherichia coli

<400> 35
 cgatggcgtc cgggggtgaac gccggataag tttaatttat ccggtcaggc aaaaggcatt 60
 aatctgcaga tagctgatgt caggggaaat attgcccggg caggaaaagt aatgcctgca 120
 ataccattga cgggtaatga agaagcgtg gattacaccc tcagaattgt gagaaacgga 180
 aaaaaacttg aagccggaat ttattttgct gtgctgggat tccgggtcga ttatgagtga 240
 gtcactccgg tgagatgtcc gggtatttat cttttttgtg aatctggtga tgcgtggaat 300
 gaaagacaga ataccttttg cagtcaacaa tattacctgt gtgatattgt tgtctctgtt 360
 ttgtaacgca gccagtgccg ttgagtttaa tacagatgta cttgacgcag cggacaagaa 420
 aaatattgac ttcacccgtt tttcagaagc cggctatgtt ctgccggggg caatatcttc 480
 tgggatgtgg aattgttaac ggggccaaag ta 512

<210> 36

<211> 827
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (361)..(361)
 <223> n equals a, t, g, or c

<400> 36
 ttgccggtgc gggtantagt ggcagtggtg tcttttggtg taaatgctgc tccaactatt 60
 ccacaggggc agggtaaagt aacttttaac ggaactgttg ttgatgctcc atgcagcatt 120
 tctcagaaat cagctgatca gtctattgat tttggacagc tttcaaaaag cttccttgag 180
 gcaggaggtg tatccaaacc aatggactta gatattgaat tgggtaattg tgatattact 240
 gccttttaaag gtggtaatgg cgccaaaaaa gggactgtta agctggcttt tactggcccg 300
 atagttaatg gacattctga tgagctagat acaaagtgtg gtacgggcac agctatcgta 360
 nttcaggggg caggtaaaaa cgttgtcttc gatggctccg aagtgatgct aataccctga 420
 aagatggtga aaacgtgctg cattatactg ctggtgttaa gaagtcgtca gccgttggtg 480
 ccgctgttac tgaagggtgcc ttctcagcag ttgcgaattt caacctgact tatcagtaat 540
 actgataatc cggtcggtaa acagcggaaa tattccgctg tttatttctc aggggtattta 600
 tcatgagact gcgattctct gttccacttt tcttttttgg ctgtgtgttt gttcatggtg 660
 tttttgccgg tccgttttct ccgcccggca tgtcccttcc tgaatactgg ggagaagagc 720
 acgtatggtg ggacggcagg gctgcttttc atgggtgaggt tgtcagacct gcctgtactc 780
 tggcgatgga agacgcctgg cagattattg atatggggga atacccc 827

<210> 37
 <211> 400
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (238)..(238)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (364)..(364)

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 00260"409560

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (384)..(384)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (398)..(398)

<223> n equals a, t, g, or c

<400> 37

ccagggggccc aaaatccgtg tatccacctt taaagaaggc aaagttttcc tcaatattgg 60

ggataaattc ctgctcgacg ccaacctggg taaaggtgaa ggcgacaaag aaaaagtcgg 120

tatcgactac aaaggcctgc ctgctgacgt cgtgcctggg gacatcctgc tgctggacga 180

tggtcgcgtc cagttaaaag tactggaagt tcagggcatg aaagtgttca ccgaagtnac 240

cgtcggtggt cccctctcca acaataaagg tatcaacaaa cttggcggcg gtttgtcggc 300

tgaagcgctg accgaaaaag acaaagcaga cattaagact gcggcggtga ttggcgtaga 360

ttanctgggt gtctccttcc cacnctgtgg cgaagatntg 400

<210> 38

<211> 578

<212> DNA

<213> Escherichia coli

<220>

<221> misc_feature

<222> (106)..(106)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (501)..(501)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (549)..(549)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (556)..(556)

<223> n equals a, t, g, or c

000250"4095660

<400> 38
 ccgatttttt gcgaaacgtt ccgcctggca tcaggatagt ttgttcgtta tccagttcgg 60
 atagcgcatt gacgatatgc aggctgttgg tcatcacctg gatgtnatta aagcgcgaga 120
 gcaggggaac catctgcaaa acggtactgc cagcatcaag aatgatcgaa tcgccatcat 180
 ggataaaaact aacggcagct tctgcaatca gctctttctt gtgggtgttg atgagtgttt 240
 tatgatcgat aggcgatcg gattcctctt tattcaacac cactccgcca taagtacgaa 300
 tgacggttcc ggcatgttcc agaatgacca gatctttgcg aatggktgtg cctgtggtgt 360
 caaatattgc gccattcttc aaccgagcat ttaccctgct ttgcagatac tccagaatgg 420
 cggcctgacg ctgacgagtt tcatgggcgt gatacctgat ttaggttcaa atgataactc 480
 gcaagcagta acatcacacg naatatccac gttcagttaa gcgccatgat agagcatccg 540
 tgatagggnc aggggnagtc acacggcgta atcacccg 578

<210> 39
 <211> 399
 <212> DNA
 <213> Escherichia coli
 <220>
 <221> misc_feature
 <222> (380)..(380)
 <223> n equals a, t, g, or c

<400> 39
 tgtaggttca gggccacag tcaagcttag gttttactga atatacctca aatgttaaca 60
 gtgcasatgc agcaagcaga cgacactttc tggtagtatt aaaagtgcrc gtaaaatata 120
 tcaccaataa taatgtttca tatgttaatc attgggcaat tcctgatgaa gccccggttg 180
 aagtactggc tgtggttgac aggmgttata attttcctga gccatcaacg cctcctgata 240
 tatcaaccat acgtaaattg ttatctctac gatattttta agaaagtatc gaaagcacct 300
 ccaaatactaa ctttcagaaa ttaagtcgag gtaaatattg gatgtgctta aaggacgggg 360
 aagatttcat cgacacgtcn gcgtgcaatc tatccgtat 399

<210> 40
 <211> 327
 <212> DNA
 <213> Escherichia coli

<400> 40
 cagcctccgt taccggacag caaggaggct gaatggagtt tacaggattt gcttttttat 60
 aatgtctggc catgcagtma aaccggacag gttttattat catgtgaggt attctgacat 120
 aaaatgctgg atttttattt tgtgacgaat gctgcaaat tgcattctgca ctctgatgta 180

gcttttatct gtttcagtga agcatgccca caaactgagt tattaagttg tggaagaaca 240
 gttttgtccc gcctgcatat ctcctttcaa aaaccagtat gtcgccatgc ctcgccttaa 300
 tggagagcgc tgaaccatac cttctttt 327

<210> 41
 <211> 314
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n equals a, t, g, or c

<400> 41
 ggagatgggc atggaactca cttcataata atgcctaccg aagaaatatt aatagatgac 60
 atttccacga gngatagcaa taaaacatca gagcagtctt ctcgcttaga aaaagcttta 120
 ttaggtttta caaacacaat gtacagtgat tcaaaccctc ctattatagc tcgttttaga 180
 gactatctgg aagatggtga gtgcattgac agaattagcg aatcaatttt ttttacaccg 240
 caagaattca atcttgcaga tcaccacatt gaaggatggt tcaatgaatt tggatcaattc 300
 agtggaactg tttc 314

<210> 42
 <211> 590
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (145)..(145)
 <223> n equals a, t, g, or c

092004-092001

<220>
 <221> misc_feature
 <222> (491)..(492)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (584)..(584)
 <223> n equals a, t, g, or c

<400> 42
 tccaagatc tttttggccg caaatccaca aaaccgctcg ttantgtcgc gcagccantt 60
 gcaggccgaa tttgcaccgt tttagaaagc ggcgttttgt agagcagcac gcagtgagaa 120
 gccaccgcgc caccgacctac gngcncgcgc agctggtgta attgcgccag acccagacgc 180
 tccgggtttt cgataatcat cagactggcg ttaggcacat caacgccgac ttcaataacg 240
 gttgtggcaa ccagcaggtg tagctcacct tgtttaaacg acgccatcac cgcctgtttc 300
 tcggcaggtt tcatccgccc gtgtaccagg ccaacgttca actctggtag cgccagtttc 360
 aactcttccc aggtagttcc gmcgcctgcg cttccagcaa ttccgactct tcaatcaacg 420
 taaaaccea gtatgcctga cgaccttcag ttatgcaggc gtggtgcacc gggtgcaatg 480
 gatgtcggtta nngcgggtat caggaatagc gaccgtagtc actgggcgtg cggcctgggc 540
 ggcactccat ctatcaccga gggatcgcag atcgggcata cgcntgcatt 590

<210> 43
 <211> 400
 <212> DNA
 <213> Escherichia coli

<400> 43
 gacgaaagg cctcgtgata cgcctatatt tatagggttaa tgtcatgata ataatggttt 60
 cttagacgtc aggtggcact tttcggggaa atgtgcgcgg aaccctatt tgtttatttt 120
 tctaaataca ttcaaatacg tatccgctca tgagacaata accctggata aatgcttcaa 180
 taatattgaa aaaggaagag tatgagtatt caacatttcc gtgtcgccct tattcccttt 240
 tttgcggcat tttgccttgc ctgtttttgc tcaccagaa acgctgggtga aagtaaaaga 300
 tgctgaagat cagttgggtg cagcagtggtg ttacatcgaa ctgggatctg caacagcggg 360
 aagatccttg agagtttttc gccccgaagg aacgtttttc 400

<210> 44
 <211> 400
 <212> DNA

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<213> Escherichia coli

<220>

<221> misc_feature

<222> (20)..(20)

<223> n equals a, t, g, or c

<400> 44

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attcggaaag atgcttctan tttttttaag cacgtataaa ctgttaattc aggttcaatg      60
ctacgaaatg cactagttat aacctgtatt gaaggaaaga tcttctgata ctctttccag      120
agatcttcaa gtctggccat ggaaattgac ttggctgcat attctagggtc agtgtttatg      180
atagtttctc tattctctct gaatgcggaa aaaaaagctt cattcaacaa tgatagtaaa      240
tccctggggc ggtaaagggt aaattgcaaa catcgcttaa aaccattcct ccctttaaga      300
tcatccgctg tgcattctat ccaaactcgt tgatctttct caatatctag cttaaatgct      360
actttcattc ttttagctga cagcattagg agttgtgccc      400
```

<210> 45

<211> 585

<212> DNA

<213> Escherichia coli

<220>

<221> misc_feature

<222> (25)..(25)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (178)..(178)

<223> n equals a, t, g, or c

<400> 45

```
taatgttgaa gacagagata taatntacag catcatccca caaggcagat ataacaatac      60
ttgactggga tatgcaaagc gatagtgggc aatttgctat tgaaataata aaatcgataa      120
tcgtttcaga tataaattct ggaggacggt tacgtcttct ttctatttat actggtgnac      180
atgttactgc tgttataact aagttgaaca atgagttaaa gaaaacatac cgtagcgtaa      240
taaaaaatga tgatagtatt ttatttgaag ataactatgc actcgaacaa tgggtgtatag      300
ttgttattag taaagacggt tatgaaaaag atcttccaaa tgtgttaata aaaaaattca      360
ctaaccttac agctgggttg ctatccaacg ccgcactctc ttgcatttct gaaataagag      420
awaaaacca tgggatatta acaaaatata ataataaatt agacactgca tatgtttccc      480
acatcttaaa ttttaataaaa tccaaggrgt caagggcata tgcttatgaa aatgctcatg      540
```

0996004-092001

attatgcagt agatttaatt tctgaagaaa taagatcaat attgc

585

<210> 46
 <211> 390
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (195)..(195)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (198)..(198)
 <223> n equals a, t, g, or c

<400> 46
 antcatccaa ctggccgac agcaaaaaag cgcggcctac gatttcaccc acgaactgtt 60
 aaccacgctg gaagttgacg atccggcgat ggtagcaaag cagatggaac tgggtgctgga 120
 aggtgtgttta agccgaatgc tggatgaatcg tagccaggcg gatgtcgaca ccgcacatcg 180
 gctggcgga gatantcntt gcgttcgccc gctgcccgtca ggggtgggtgca ctgacctgac 240
 agaaacacag aaaagaagcg atttgccgca atcttaagca gttgaatcgc ttttactgaa 300
 attaggttga cgagatgtgc agattacggt ttaatgcgcc ccgttgcccc gatagctcag 360
 tcgtagagca ggggattgaa aatccgttgt 390

<210> 47
 <211> 473
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (437)..(437)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (465)..(465)
 <223> n equals a, t, g, or c

<220>

0995604-092001
 T00260-4005660

<221> misc_feature
 <222> (468)..(468)
 <223> n equals a, t, g, or c

<400> 47
 ggatgccagt gtcagcgact ggtaaagt gtcgatatcg atgagcaa at tacgcgcgc 60
 ctgcgcaata acagtcggga aaaattagtc ggtgtaagaa agacgccgcg tattcctgcc 120
 gttccgctca cggaacttaa ccgcgagcag aagtggcaga tgatgttgtc aaagagtatg 180
 cgtcgttaat tttatctcgt tgataccggg cgtcctgctt gccagatgcg atgttgtagc 240
 atcttatcca gcaaccaggt cgcacccggc aagatcacgc tttaggcgtc acatccgctg 300
 tcccctggca aacggggggcg attttctctc atttgcttca gtggctggcg tttcatgtaa 360
 cgatacatga cagcgcccga caagatcctg atactctttg ggtattcaac cgtttccagt 420
 gtaattcgtc gttcacnaac attggcggtta caggcggggc tggcngtnac cca 473

<210> 48
 <211> 482
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n equals a, t, g, or c

<400> 48
 gaagtgcagg atggctgtgg tttctccatc ggtcaccagc agcagttngc atcatggatt 60
 gcctataaag tcgcgccgtt cctcggnaaa aaagaggaga gcgttgaaga cctcaaattg 120
 ccgggctggc tgaacatttt ccacgacaac atcgtctcca cgcgattgtg atgaccatct 180
 tctttggtgc cattctgctc tcttcggtat cgacaccgtg cagcgatggc aggcaaagtg 240
 cactggacgg tgtacatcct gcaaactggg tctcctttgc ggtggcgatc ttcacatca 300
 cgcagggtgt gcgcatgttt gtggcggaac tctctgaagc atttaacggc atttcccagc 360
 gcctgatccc aggtgcgggt ctggcgattg actgtgcagc tatctatagt tcgcgccgaa 420
 cgccgtggtc tggggcttta tgtggggcac catcggtcag ctgattgcgg ttggcatcct 480
 ag 482

0956004-092001

<210> 49
 <211> 185
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (168)..(168)
 <223> n equals a, t, g, or c

<400> 49
 gacgacctgc aggcattgcaa gcttggcact ggccgtcggt ttacaacgtc gtgactggga 60
 aaaccctggc gttaccaaac ttaatcgset tgcagcacat ccccttttcg ccagctggcg 120
 taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcantc gaatggcgaa 180
 tggcg 185

<210> 50
 <211> 491
 <212> DNA
 <213> Escherichia coli
 <220>
 <221> misc_feature
 <222> (472)..(472)
 <223> n equals a, t, g, or c

<400> 50
 taacgcttca atacgcgcga ccagctggcg gcgctcatc ggcgtaattt tggcgtcggc 60
 gagcaaaatc ccttggttaa aggtattttg ccagctgccg tcgtcatatt ggcgagcttg 120
 ctgacgcgac tgcgcaggca ttaaagcatc agcacaatcc atcgcccgca gccagtaaag 180
 cggattgggt tcggttgatt taccttgcag cgcccagatg tcgtacatt cagtagaaag 240
 atagtcagcc agttgataaa ccggaatttt ttcttctgct ggcgtatcaa tggctggctt 300
 attgtgattc tgcacgcaac ccagcaatgc cagacatgga gaccctgccg gccacagccg 360
 tcggggcaat aatcggtgaa aaatgtgtcg catattcacc agacttaaag cctatcccag 420
 tgggcgtaat tggtgcagac agtctggaca tggacagcgc ggagaaaccg gnagcgtaca 480
 tatcgtacgt g 491

<210> 51
 <211> 106
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (105)..(105)

09956004-092001

```
<400> 51
acttgaacgg caattattat ttatccatgc aacttcaagt tgcagtatcg gaacattaac 60
ttttctgggg tgaatatcac tctgatatcg ttttttgtat gcgtnt 106
```

```
<210> 52
<211> 481
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (439)..(439)
<223> n equals a, t, g, or c
```

[illegible]

```
<210> 53
<211> 558
<212> DNA
<213> Escherichia coli
```

```
<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (36)..(36)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (69)..(69)
```

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (456)..(456)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (462)..(462)

<223> n equals a, t, g, or c

<400> 53

tggnccgtaa ttcccaacca tttgccgagg tccagntttt tcaccatggt actcgggata	60
gccaaaacng ataccgatgt tgccgccgtc ccggtgcgag gatcgcggtg ttgataccga	120
tcagttcgcc gttcagggtta accagcgcac caccggagtt accacgggtg atcgctgcat	180
cggctctggat gaagttttcg tagttttcgg cattcaggcc gtacgcccc a gcgcagagac	240
aatcccggaa gttaccgtct cgcccagacc aaacgggtta ccaatcgcta cgggtgtaatc	300
accacgcgc agtgcatcag aatccgccat cttaattgcg gtcagggtttt tcgggttctg	360
gatttgatc agcgcgatat cagagcgcgg atctttgcc accatcttcg cgtcgaactt	420
acggccatcg ctcagttgaa ctttaatgac cgtcngtga tnaacaacgt ggttggtggt	480
gacgacatag cctttatcgg catcaatgat gacgccggaa cccagcgcca tgaattctgt	540
tgctggccgc caccatta	558

<210> 54

<211> 263

<212> DNA

<213> Escherichia coli

<220>

<221> misc_feature

<222> (37)..(37)

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (180)..(180)

<223> n equals a, t, g, or c

<400> 54

cacgtgcgtg acgtgaccga cttttctcc tcgctgnttg tttccctat cgtcggcctg	60
gtcattgcgg gaggcctgat attcctgctg cgacgctact ggcgcgggac gaaaaaagcg	120
tgaccgtatt cgccgcatte cggaagatcg caaaaagaaa aaacggcaaa cgtcaaccgn	180

05956004-052001

```
<210> 55
<211> 683
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (600)..(600)
<223> n equals a, t, g, or c
```

```
<210> 56
<211> 282
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (231)..(231)
<223> n equals a, t, g, or c
```

<400> 56
 tggatgcagg gaaaaacatt gatattaccg gggcaacgtg ctcgtccggg ggagaccttg 60
 gaatgtctgc gggtaatrac atcaacattg ccgtaaacct gataagcggg acaaaagtca 120
 gtccggtttc tggcacactg atgacaacag ttcacatcc accacctcac agggcagcag 180
 catcagcgcc ggcgataacc tgggcgatgg ctgcaggcag agatkctggg ntgtcacagc 240
 atcctctgtt tctgccgggc acagcgccct gctttctgca gt 282

<210> 57
 <211> 697
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (696)..(696)
 <223> n equals a, t, g, or c

<400> 57
 atgaacggcc cccccacag cccgttaaca aacggntgcc ccggcgataa tcgtactgat 60
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<210> 58
 <211> 4835
 <212> DNA
 <213> Escherichia coli

092604-092601

<400> 58
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 atcgctgatg attaatacta tttgtaaaga ctttattgtt gatttcttat tataaccacaa 300
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 gaaccgacca ttcattgaca tatattcttc aattcgtgag tgatccagca actgggtgaa 480
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 gccgataagg tttataaccag atatcttttg gggggattag ataacgtagc cgcggatagc 600
 aaacgagata gttgaatfff attaccgtaa tttcttccat tgagaaaagc ttatfffftct 660
 tgggtggtatt cgcagttatg tatcttccat aaagacttgg gaatatcttg cttgaaargc 720
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<210> 59
 <211> 1746
 <212> DNA
 <213> Escherichia coli

<220>
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 <222> (9)..(9)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (877)..(877)
 <223> n equals a, t, g, or c.

<220>
 <221> misc_feature
 <222> (1746)..(1746)
 <223> n equals a, t, g, or c

<400> 59
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 tgacactgta tttttccatc ccagtttacc gacagggttt ccccgggcgt cacgccactc 180
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 cggtaataac tgctgatgtc agtcaccacg cccgttcccc agcgatttgt caccacctgc 480
 ccgccatcaa ccggtacacc tcccacacca tccgtgtcaa caagaagacg tgttccaccg 540
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 accatcgagt cgtacagcac ccgtccctgc tgcgacacca caacacgggc attagtctcc 1680
 gcaatcccgg taatctgagg tgcataagcc ttcgcattct tggggcggga cattccgggt 1740
 cagcgn 1746

<210> 60
 <211> 723
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (473)..(473)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (636)..(636)
 <223> n equals a, t, g, or c

<400> 60
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 ctgcggcgcg gtaacaatca gggcattact gtgtttgctg gcggcgatgg agacaacctc 120
 acgcccgcta ccgaccgtgc cttccgcctc ttcttttagcc gccgtgagcg tgccgctgac 180
 ctgcttcagc acatcgacca gatcttcggc ttgctgtat ttgagataga aaacctggct 240
 gttgccgctg cgttccatth ctgagtcag ccgacggatc aggcggcgca ttttgtcccg 300
 cgtggccggg tcaccactga caatcacact gttggtgcgt tcgtcggcga caatttgaga 360
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 gatttccgaa gcagaggcgt tatccagcgg gatcacctct tcagtgcgat tanccgcgtg 480
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 aatcacgttg gagggatcgt aattaacaac gttgcctgag cctgcgctgt cgatcatctg 600
 gcgcagaatc ggtgccagtt cgcgtaccga aacatnacgt accggcacga ctttggtgac 660
 catttcatcg cccgcgtatt gtcgctgcct tcaccaacca gcggcagggc tcgactttcg 720
 cgg 723

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<210> 61
 <211> 2556
 <212> DNA
 <213> Escherichia coli

<400> 61
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 caccggctgc aggcagttt tgggcgaacc gtttcgatta ccctgaacgc ggtgttgatg 420
 atatccagtt gttcagagat gctttctccc agcgggttca gtttgccgct gcagacgggg 480
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<210> 62
 <211> 790
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n equals a, t, g, or c

<220>
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 <222> (57)..(57)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (765)..(765)
 <223> n equals a, t, g, or c

09956004-092001

<400> 62
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 aataaaathtt cggttggggtt aggtaatggc tgggattcga taatatctct tgatgggggtt 120
 gaacagagtg aggaaatatt acgctggtac acagccggct caaaaacagt aaagattgag 180
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<210> 63
 <211> 10906
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (856)..(856)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (4922)..(4922)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (6875)..(6875)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (8094)..(8094)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (10800)..(10800)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (10849)..(10849)
 <223> n equals a, t, g, or c

<400> 63
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 gattggtaat ataatacaata agcctgaaga agctaaagcg ttaatcaagg caactgaaaa 180
 tggctgcaga atgggtgagta accggctgca acttctaccc gaagagcagc gtgttcgtgc 240
 ctatatggcg aatcctgaat tgaccactta tggttccgga aaatatacag gattaatgat 300
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 gatagagcaa gtcattgaat ggaatcctca ggtaattttt gtgcagaatc gttatcctgc 420
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 <213> Escherichia coli

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<210> 73
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<220>
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0996004-092001

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0956004-092001

<210> 74
 <211> 1332
 <212> DNA
 <213> Escherichia coli

<220>
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 <222> (9)..(9)
 <223> n equals a, t, g, or c

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 <222> (44)..(44)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (343)..(343)
 <223> n equals a, t, g, or c

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<210> 75
 <211> 4407
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (2638)..(2638)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (3425)..(3425)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (4227)..(4227)
 <223> n equals a, t, g, or c

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 <222> (4256)..(4256)
 <223> n equals a, t, g, or c

<220>
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 <222> (4300)..(4300)
 <223> n equals a, t, g, or c

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09956004-092001

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<210> 76
<211> 824
<212> DNA
<213> Escherichia coli

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<223> n equals a, t, g, or c

<220>
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<222> (807)..(807)
<223> n equals a, t, g, or c

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824

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 <213> Escherichia coli
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 <222> (2)..(2)
 <223> n equals a, t, g, or c

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 cgcttacaaa atataaaaca atttgatata aaatattcct cttattctaa ataaaagtat 420
 cttgaaaacc ttccaactgg aaggtagatt gaatttatgc taaacataaa gaggaattgc 480
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 gcaactgctg 550

<210> 78
 <211> 382
 <212> DNA
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 gattacaaaa gaacagccag tt 382

<210> 79
 <211> 3576

0956004-092001

<212> DNA
 <213> Escherichia coli

<220>
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 <222> (1528)..(1528)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (2618)..(2618)
 <223> n equals a, t, g, or c

<400> 79
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 aattcaatca gctcatcagg aacatcgcaa acaatatgaa gacggatttc ttctctgccg 180
 tgactcttgt cactaattgc gtaacagtca tgctctggat tatttaattc ttccagcgaa 240
 aataaaagat tatcagatat gggatgacac acagcaccgc tgagcaagta tgtataacca 300
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<210>      80
<211>      3541
<212>      DNA
<213>      Escherichia coli
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<220>
<221>   misc_feature
<222>   (2529)..(2529)
<223>   n equals a, t, g, or c
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<220>
<221> misc_feature
<222> (3425)..(3425)
<223> n equals a, t, g, or c
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<220>
<221>   misc_feature
<222>   (3471)..(3471)
<223>   n equals a, t, g, or c
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<210> 81
 <211> 1234
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1156)..(1156)
 <223> n equals a, t, g, or c

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<210> 82
 <211> 6313
 <212> DNA
 <213> Escherichia coli

0955004-092001

<400> 82
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 acgataatcg ctccgggct 9319

<210> 86
 <211> 551
 <212> DNA
 <213> Escherichia coli

<400> 86
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 cgaagagtaa tacatcgccc atgcctaatt cttctttacg cagaactatt ccggctatcc 120
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 gcggcactcg g 551

```
<220>
<221> misc_feature
<222> (379)..(379)
<223> n equals a, t, g, or c
```

<400> 88
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 cactgaacta gagattgaaa aacaattgct taccaccaag ttgtctggcg tagagcagca 180
 gttaagggtt gagcaagagt cgcttcagca ggcccagtct gcattgctct cagcagcaaa 240
 agaaaagcaa catcaacttg atgagttgga atcggtgctc aatgagcggg acagtgagat 300
 tgcaacctta acccgttggc tggaagaacg tgatcaggca ctccttagtg cagcaagtga 360
 acaacaacag accaatgana ccatatagag ctcagccag 399

<210> 89
 <211> 1013
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (943)..(943)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (974)..(974)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1013)..(1013)
 <223> n equals a, t, g, or c

<400> 89
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 ctcacttatg ctttgetgca atgtttgttg cacaagttgc ccttcttcca gctgttgctg 180
 tagatttgca cttacctttt tcagtgcac atattccaag cctaacgtat cgtgctgtgc 240
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 ttgctgcaat gcattagcct gctgttgcaa caagttcacc atattgtctc gctcggccag 360
 tgtacgaacc tgtgtatcct ggatatgtag cgcttggtcc aactgaagct gtaattcggg 420
 aatttgccgc gaatgttcgc tcaatgctct gttgctcttg ctgagcgca gagtaagggtg 480
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0956004-092004

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<220>
<221> misc_feature
<222> (658)..(658)
<223> n equals a, t, g, or c
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[illegible]

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 accaaaaaaaa aggggtgggg ggattatac 689

<210> 91
 <211> 1281
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n equals a, t, g, or c

0

<400> 91
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 cagccccgt tgcagctcct gcaaaacaga gagcgacaac ggatgcacat ggaggatctc 180
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09956004-092001

gcgaatatcc agttgttcaa t

1281

<210> 92
 <211> 421
 <212> DNA
 <213> Escherichia coli

<400> 92
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 ggtgcagaaa tccttgttct tggttgtaca gaaattccgg ttattctggc gcaacgttaa 120
 agagcagcct tcccgtata ttgactcacg gcgtcactcg ttcgtgccgg aataaaatgg 180
 tacgaaaatc gtgtcggtaa acattatctt ttaaccaat aatcatttaa atcgcagcca 240
 gaaagttatt cgcttttaac tgaattatat ttataacgga gaacattatg gtttggtctg 300
 aaattatcgt agtacttggg gcaatakttt ttggtattcg ccagggggga atcggtattg 360
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 g 421

<210> 93
 <211> 1018
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (781)..(781)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (990)..(990)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (993)..(993)
 <223> n equals a, t, g, or c

<400> 93
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 tttccttctt cataatagtc aatataactt ttaccactga gtgttttgkc yccatttctg 180
 gtgacaccag ctaactcacc tatcagcgta tcccmatggt gctgggtaat gaggactgat 240
 ctttcaacag aatactcttt attatactga gataatattt taaagttatc ttctaaaaat 300

F00260"40095660

gcagcatggc gggcatcata tcccattttc aaagtaattt ttgccgtggt ttttctccca 360
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 ctcaaggatg cctgaaatta tccccgtaac agccccctacc agcgcgctta ccggtgcacc 480
 aaccagagat gtcgttgcag cagcactaat acctgaagat actgaagcca gaacagtgtc 540
 tatcgttggt aacgatgcat caatagctcc tgtttctttg tggaaagcag caagtaaact 600
 gtcaccatcg tatccaagtt ttttgaatcg ttgtgaatac tcctctattt tattggcacg 660
 tttaaactta tcggcaatgg acaggaatga gaggggacta attgccagtg tcacaacaga 720
 agcaattaaa ccggcagcag cagcagatgt agataacccc tgtgctgcac gctgtgcgag 780
 naatatattg agaaatacct tttccaacat taccagtagt tttcgttggt aattcaacac 840
 ctgctgcagc tttagttccg gtatctgcat ctgcattgct cagaatgaaa cttgctgaaa 900
 tcgcagataa aatacccgat acagtatcta accctgcacc gatattatca aggttaggta 960
 aattctgtaa cttattacca acaccgttcn ggnctgttgg tattgggata atacactt 1018

<210> 94
 <211> 400
 <212> DNA
 <213> Escherichia coli

<400> 94
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 tttaaattca atcacaggat tttcatcctt ctttccagac gacgcagaat aaagctcagc 120
 accagggtta taatcagata gaacaccgcc acggcgctcc agatctcaag ggcgcggaag 180
 ttaccggcaa taatttcttg ccctgacgg gtcagttccg ccacgccgat cacaataaac 240
 agcgagggtg ctttaatgct gatgatccac tggttaccca ggcgcggcag catacgacgc 300
 gtgccagcgg taaaatgacg tagcgaatgg tttcccmacg tgaaagaccg agcgccagtc 360
 ctgcttcacg aaaacctttg tggatagaca gcaccgcacc 400

<210> 95
 <211> 1857
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1465)..(1465)

0956004-092001

<223> n equals a, t, g, or c

<400> 95
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 tatccaccct gtatcactat gctttctggc atacaatatc ccatcattga cacaatgata 1680

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aacatataaa taaagaaaat tttaaatacat ataaccaaata tactttcatt tattatcaat 1740
 aagtatttttg ataagaatac ctataccaca gggagccccc tgaaacataa tattagcgaa 1800
 gaatgataac tgatagttac catcttagag ataaaaactt atttgtgtgg cgggatg 1857

<210> 96
 <211> 1128
 <212> DNA
 <213> Escherichia coli

<400> 96
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 gtcgccaata tttatatggt ttatcaatat cagcttgact cattgttatt tctttgtcag 120
 gagactctga aaatatggac atatataacc tcttttatta tgaaatattt tcaataataa 180
 taatccgtta gtaatcctat catagggtaa tgtctcatca tggttaaatg atcacattta 240
 taatcatgtc aaaaagaaca acagaaaaaa tcatataaaa tcaattaaat ataattgcc 300
 catattgttg ttattwaaac attgggtggg aatttaaagc gagaacagtt tgtaacagtg 360
 actccttgca gactaagtta gagtctcctt ctaaaattag acggwktctt attgatggat 420
 aatagtaagc gcaccgtgaa kgacgtgggg taaaaattag tttacagatt gagtgacatt 480
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 aatacccga ggcgttttca cacagggtat tgctgatctc caccagcca ttgcggcagt 720
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<210> 97
 <211> 439
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (401)..(401)

<400>	97						
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cgtgtaaaat	ctttatacgg	caagtagacg	gaaaacgggc	gctttccctg	tcgccaatca		180
caccgacatg	actgactttt	gcgagaggaa	gtgcataatt	caccaattca	gagcctaattg		240
cattgcgctg	ggtaagctca	aatcggaatg	ggtttcgaac	ctttcccgca	acattgatca		300
ttggaccttg	ttgctcaact	gaaaatcaca	tcttgatctt	ttaatgccag	cttcgggagt		360
ttcccataacc	gtatgaaatc	ataaagatca	atttgckgtg	nttactgcta	ttttgtgcgt		420
qaacacctta	atTTTTTgcg						439

```
<210> 98
<211> 906
<212> DNA
<213> Escherichia coli
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<400>	98						
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tattattgat	atctgtcaga	gtatcaataa	tagaaggtaa	ttgttttaca	tactatcaac		180
ttttggataa	cgttttaaaa	tgcaccttgc	acatcgtatt	ttattatttt	cactaatctt		240
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ttcacacaac	agaatcgtaa	tgggatgttg	cttccaggag	agtcagatgt	acgaaaatta		840
ctgccgcaat	ctgaagcagg	cttacctcct	ccgtatggtg	ctaattttatt	tgccggagggc		900
tatgaa							906

<210> 99
 <211> 1395
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (1121)..(1121)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1264)..(1264)
 <223> n equals a, t, g, or c

<400> 99
 gcggcctgat atatgccgtt attacaaaaa gaggatcaac cacactgcct tttggaccgt 60
 gtttaagtct gggcggtata gcaacacttt atctacaggc attgttttaa tgataaccac 120
 gtcattatca aagtgcacatt ttaactctta ttaataacct tagagattat ttaccatgtc 180
 gataaaacaa atgccaggga ggggtattaat atcgctattg ttgagcggtta caggattatt 240
 aagtggctgt gccagccata atgaaaatgc cagtttactg gcgaaaaaac aggcgcacaaa 300
 tatcagccaa aacctgccga ttaaatctgc gggatatacc ttagtgctgg cgcaaagtag 360
 tggcacgacg gtaaaaatga ccattatcag cgaatcggtt actcagacca cgcagacacc 420
 tgacgccttt ttaaccagct atcaacgaca aatgtgcgct gacccaacgg tgaaattaat 480
 gatcaccgag ggaattaatt acagcataac gattaatgat acacgtacag gtaaccagta 540
 tcagcggaaa ctggatcgta ccacctgtgg aatagtcaaa gcataacgtc gggtagatat 600
 aaattggcgc ggggtgtttt tcgtgacgca cgaatttata tcattcaatg gctgacaaaa 660
 attcgtcaca ctcttaacca gagacaatct cttaatacag acaaagagca tctgcgcaaa 720
 attgcacgcg ggatgttctg gctgatgctg cttattatct ctgcaaaagt ggcgcattca 780
 ctctggcgct atttctcctt ttctgcggaa tatacggcgg tttccccatc ggcgaataaa 840
 ccgctccgtg cgratgcaaa agcgttcgat aaaaatgacg tgcaattaat cagccagcaa 900
 aactggtttg gcaaatatca gcccgctgcc acgcccgtta aacaacccga acctgcacct 960
 gtggccgaaa cgcgtcttrr tgtggtgttg cgtgggatcg cctttggtgc cagaccgcgc 1020
 gcggttattg aagaaggtgg taaacagcag gtctatttgc aggggtgaacg cttggctcgc 1080
 acaacgcagt gattgaggaa atcaaccgag accatgtgat ntgcgctatc agggaaaaat 1140
 agagcgctg agcctggctg aagaggagcg ttccaccgtt gccgcgacca aaaaaaagc 1200
 tgtcagtgc gaagcaaagc aagctgttgc tgaacctgct gtcagtgcgc cagttgagat 1260

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cccngctgcc gtgcgtcagg cactggcgaa agatccgcag aaaatTTTTa actatatcca 1320
 gcttacgcct gtgcgtaagg aagggattgt cggttatgca gtgaaaccgg gggcagatcg 1380
 ttctctgttc gatgc 1395

<210> 100
 <211> 380
 <212> DNA
 <213> Escherichia coli

<400> 100
 cacttgaata aaactgacac cgtttacctc cataatagtg agcatagccg ccattgcggc 60
 ctgatcggcg aaccggaaat cgcaacctgc gaacgacaac cgaaccggca agcgtgcggg 120
 aaggacggat accggactct ttcgccactt cagcaatcac cggcagcgtg gaaaaaacia 180
 taaaccagat accggccata atgggtcatag accaggtgat aatcggcgcg attatgttga 240
 tatatttcgg gttacgccgc ataaaattac cagcgacggg accagataat ccattccct 300
 gcggcctgta aggtgagggc cgccacaaca acggtcataa taatcaggat cacgtcgact 360
 ggccggcgacc ccataggcag 380

<210> 101
 <211> 995
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n equals a, t, g, or c

<400> 101
 ctttacggtt taatagggga angccgactg gatgnaaaaa tggaatctgg agcccagaat 60
 aaatctgaat ttaatgtgga ctggatatgc tccaataacc ccggcaggga gtcattctgtg 120
 cgaagatatt tgcgttatgc tgtaataata taattcaatg tatttcagga acagtaatat 180
 actacagttt ctactttctt gtatttaata aattgttccg catcgctaaa agcaggtctt 240
 tcagaagcca caagaattct gtgggtcccag tatttttagt taccctatct ttatatctaa 300
 cttgtaatac ttacagcatt ttcattcatc ctaatggaag gctgtaataa tctttgagct 360
 tagaaacatc aaaattatgc atctcattaa ttttgtcagt cacacgacct ctggtaaaaa 420

0956004-092001

taaaaccccc agaaatatgc catttctagg gggggcgtaa gaatcaatat attttagtgt 480
 tgttacattht agctcttagc tcttagctct tagctcttag ctcttagctc ttagcgthtg 540
 tagthttcatc gcaatgagta aaaggacaac aagaataagt gataacgtta agagaagagc 600
 atagaaacca ttccagtggc atatttctat tattthtagac aatggatagc cagccgcgga 660
 cgcaccaaga tatgcgaata aactaacaaa accagtagaa gcaccagatg catatthtatg 720
 tgagthttca gcagctgcca ttgcgatcag aaattgtggc ccaaagataa agaagccagt 780
 gatgaaaaat aataacgaaa aaacatatht actatcaata gaaaccaacc atagacatgc 840
 agaagcaatg attataccaa ttgtataaat aacattcatt tgagagcgat tgcccttaaa 900
 cagaatatct gatcccatc cagctacgat agcaccaaaa aagcctccaa cctcaaakat 960
 cattactgtt gcatttgctg ttagcaagtc atatt 995

<210> 102
 <211> 817
 <212> DNA
 <213> Escherichia coli

<400> 102
 taaaagcgac tccatgtgaa atthtctgtt gtcgtthttt ccccgthtga gcggctctgc 60
 tcctggcttc cctgatagtc agcccgagc gcgcagggcc ccagattccc cccacagtc 120
 ccgttataac tgaactgatg agagtctcct cctgataat tacgggaaac cgtcccgthg 180
 aggttataat ccagcatcag tccgggaatg ccgtcgtccc agcgtgaggg aggcagccag 240
 gtggcatcag aatactcaag ccaggcctgc ggcatattga tgcgtaatac gcccgctccg 300
 gtatcaggac gaatatccac tccgggcaac ccatgaaaat ccgcacactg accatcatgc 360
 cagtaaacia cthtatccag agattctgct gthaaccca tcagtctgac catatctgat 420
 gtcagacagc tgcggcaatt thttthtctgc cthtatctct gacaacgcag gthcaaaaa 480
 tgamatctgt aacgatgcgg gagaaatact ttgcccgtta acaatcacat ccagaagata 540
 ttgccccggc agaacatagc cggctthtga aaaacgggtg aagtcaatat thttctthgtc 600
 cgctgcgtca agtacatctg tathaaactc aacggcactg gctgcgttac aaaacagaga 660
 caacaatatc acacaggtaa tathgttgac tgcaaaaggc atthtctctt tcattccacg 720
 catcaccaga thcacaaaaa agataaataa ccggacatct caccggagtg actcactcat 780
 aatcgacccg gaatcccagc acagcaaat aattthc 817

<210> 103
 <211> 709
 <212> DNA
 <213> Escherichia coli

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<400> 103
 tttttgtcag agcgttcact ctctggctgg atgatttcgg ctcgggaaat gcaggcttaa 60
 tgtggggact gtcggggatg tttgaacggg taaaaataag tcatgagttt tttcattatg 120
 tcctgaaaaa cgggtgtgca atgccacttc tccgtgctgt ggcagacact gttgctgtc 180
 acaacagagg cgtgatactc gaaggtgttg aaaatgaagc gttgttccgt attgccagag 240
 acatgaatgt ccagggtctg cagggatggc tctacaggcg tgtgggggtt gatgaattat 300
 ccgcgcttat tcagcagtat gaataatcct ttttcacaga ctggtcagct gtcaacattt 360
 atgttttttt atctgcggga atttatccgt ctgcctgtcg ggactactct gtcatacaga 420
 aatcaggcca gaataaattg ttgtggaaag gtgagattta ccggatgact gatgtgctct 480
 tgtgcacagg tatacaggca gtgtgtttcc agtatatgga aaatgattaa atgaataaca 540
 cagacttatt agaaaaaatc atcaggcatc aacaaaacaa agatcctgca tatcctttcc 600
 ggaacatct tttgatgcaa ctctgtatcc gtgtaaacaa aaaaatacag aacagtacat 660
 ctgagttttt tgggtgcatat ggtataaatc actcagtata tatggttct 709

<210> 104
 <211> 485
 <212> DNA
 <213> Escherichia coli
 <220>
 <221> misc_feature
 <222> (477)..(477)
 <223> n equals a, t, g, or c

<400> 104
 tcatcaaggg acggggcata tctggatgcg acagggcaaa ccaaccactg agaatccaac 60
 ctgccaaagc ctgaccagga agtccgacgt taaagaaacc agctcgactg gcaacggcaa 120
 aaccaagacc aatcaagacc agaggaccca tagcacggaa gatttctcca atcccacgca 180
 gactgccaaa ggctgtatag aacaattctt cgtagcccca aatagcatca taaccgaaga 240
 tccacatgac aatgggtccg agtaaaattc ctaggaatac agaaatcaag ggaaccgaaa 300
 tttgttgtaa ttttttagac atcactcttc tcttttccca agttyccacc agccatcaag 360
 acaccaagtt cttgtttatt gggtgtttct ggtgatacaa taccttgaat cttaccatcg 420
 tggataacgg caatacgggtc tgagacgttt aaaatctcat ccaattcaaa gctgacnaca 480
 aggac 485

<210> 105
 <211> 459

```
<220>
<221> misc_feature
<222> (436)..(436)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (449)..(449)
<223> n equals a, t, g, or c
```

<400>	105
agcagaatag gcaacatcac cacgccgaca aacagcgaga agagaatgac gccagccgcc	60
aggaacacca gctcatagcg cgccgggaag acgttaccat ccggcaagag cagcgggata	120
gagagcacac cggccagagt gatcgcccc acgaccccgg cgaaagacgc gatcaggatt	180
tctcgtgtgg tccacgaacc aaactccatc ggctttcttc tcaggaagcg gttgctgaac	240
tttttcatcg tccacagcca gccgaaacgg accagcatca gcgccgcata tatcagaata	300
atattggtaa acagcatcca gatttcgacg ttagggtcga tttcttgctg gccatcagcg	360
gacgtcttcc agrattacct ggcagctgca gaccttaaca gcagggaaca ccatggccgt	420
tttaaggaca atttcnagca tcggccccang tgctgtttt	459

```
<210> 106
<211> 908
<212> DNA
<213> Escherichia coli
```

<400>	106						
ttaatagcac	taatactgtc	ctgctctatt	ccgctgacat	tttcagtcag	ctgctgtatg		60
ggatgggtta	cccaaaacca	gaccagcata	cctgacaaga	gaccgcatat	cactaccaga		120
aacagcgacc	agtacagtgc	attccatagt	gcctttgtcc	aggctgtatc	agtaagagca		180
ttaagttcct	ctccctgtaa	aataatatac	agatatcctt	tcggttcata	actctggtaa		240
agcggtgccg	tactgaaaac	tttttgctta	tttacacttc	ggggatcatc	accatatacg		300
ggccagacac	tgccggagag	aaattttttc	aacggtgcaa	tattgatata	ccggcgtttg		360
agatgacccg	gagggcgggc	tccacaagca	gtcgcccttc	cggtgaaacc	atatacagct		420
ccacactggg	attaagcgtc	atcagacgct	caaacagact	cgттаатgtc	cggtgttacc		480
agacaaaaca	agcatcgcaa	gacgccacaa	acggtgcgct	tacttaaata	agccggttac		540
aggtgaaaaa	tcacgtcctg	atattcaaat	gttttttcag	gtcatatttt	agcaggacac		600
taccagcacc	taacagcagc	acatctttta	taacaaaact	gtcaactttc	cccagttgtg		660

gtaacaggct gagcgtgggtt attcctgtaa caataacgat aatatctccc agtacaccag 720
 cagcaggcct gaagaaaccg ataatcaatg ccagaaatgt gatagtttcc actatgccga 780
 ggaaatagct ccctccatga ataccaaata taatatacag gatattcagc caggtgggat 840
 atatcagggg cttgagagcc ataacttcaa aatcaaacca tttataagtc ccaaaaagca 900
 taaatatt 908

<210> 107
 <211> 1057
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (1019)..(1019)
 <223> n equals a, t, g, or c

<400> 107
 cgggctaacc caatatgctt tattaacccg ggataattac cctggtgcat attgtagttg 60
 ggctaattta agtttagaaa atgaaatnaa atatcttaat gatgttactt cattagtcgc 120
 agaagactgg acttctggtg atcgtaaag gttcattgac tggattgctc ctttcgggga 180
 taacggtgcc ctgtacaaat atatgcgaaa aaaattccct gatgaactat tcagagccat 240
 caggggtggat cccaaaactc atgttggtaa agtatcagaa tttcacggag gtaaaattga 300
 taaacagtta gcgaataaaa tttttaaaca atatcaccac gagttaataa ctgaagtaaa 360
 aaacaagtca gatttcaatt tttcattaac aggttaagag gtaattaaat gccacaata 420
 accgctgcac aaattaaaag cacactgcag tctgcaaagc aatccgctgc aaataaattg 480
 cactcagcag gacaaagcac gaaagatgca ttaaaaaaag cagcagagca aacccgcaat 540
 gcggaaaaca gactcathtt acttatccct aaagattata aagggcaggg ttcaagcctt 600
 aatgaccttg tcaggacggc agatgaactg ggaattgaag tccagtatga tgaaaagaat 660
 ggcacggcaa ttactaaaca ggtattcggc acagcagaga aactcattgg cctcaccgaa 720
 cggggagtga ctatctttgc accacaatta gacaaattac tgcaaaaagta tcaaaaagcg 780
 ggtaataaat taggcggcag tgctgaaaat ataggtgata acttaggaaa ggcaggcagt 840
 gtactgtcaa cgtttcaaaa ttttctgggt actgcacttt cctcaatgaa aatagacgaa 900

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ctgataaaga aacaaaaatc tggtaggaat gtcagttctt ctgaactggg caaaagcgag 960
 tattgagcta atcaaccaac tcgtgggaca cagctggcca gcctttaata ataatgttna 1020
 actcattttc tcaacaactc aataagctgg ggaagtg 1057

<210> 108
 <211> 752
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (714)..(714)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (719)..(719)
 <223> n equals a, t, g, or c

<400> 108
 taccggggccc cccctcgagg tcgacgggat cgataagctt gatatcgaat tcctgcagcc 60
 cggggggatcc actagttcta gagcgccgc caccgcggtg gagctccagc ttttgttccc 120
 tttagttagg gttaatttcg agcttggcgt aatcatggtc atagctgttt cctgtgtgaa 180
 attgttatcc gtcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct 240
 ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc 300
 agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg 360
 gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctgcgtgcgc tcggtcgttc 420
 ggctgcggcg agcgggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag 480
 gggataacgc aggaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa 540
 aggccgcgtt gctggcgttt ttccataggc tccgccccct gacgagcatc acaaaaatcg 600
 acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg cgtttcccc 660
 tggaagctcc ctgcgtgcgt ctctgtttc cgaccctgcc gctttaccgg atanctgtnc 720
 ggctttctcc ctccgggaag cgtggcgctt tc 752

<210> 109
 <211> 486
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (11)..(11)

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```
<220>
<221> misc_feature
<222> (477)..(477)
<223> n equals a, t, g, or c
```

```
<210> 110
<211> 313
<212> DNA
<213> Escherichia coli
```

```

<400> 110
ttacgcnttc aaccaggtct tctggtttac caacgcccat caggtaacgc ggtttgctctg 60
ccggaatttg cgggcataca tgctccagaa tgcgggtgcat atctgctttc ggctcaccca 120
cagccagacc gccgacagcg taccatcaaa accgatatct accagacctt taacagaaat 180
atcacgtaaa tcttcgtaaa cgctgccctg gatgatacca aacagcgcat ttttgtttcc 240
gagactgtca aaacgctcac ggctacgtcg cccaacgcag agacatctcc atggagcggt 300
ttgcgtaatc cca 313

```

<220>

```
<220>
<221> misc_feature
<222> (40)..(40)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (168)..(168)
<223> n equals a, t, g, or c
```

[illegible]

```
<210> 112
<211> 930
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (26)..(26)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (540)..(540)
<223> n equals a, t, g, or c
```

[illegible]

aaaagagatg gtttgaaaat gaaattcaat tccctgccaa tatcagtgat gggatataac 600
 tcacgattct ctactaactg actaatTTTT tgactatcca ttgaggaaaa ctcacatgta 660
 tttatagaat taaatcaaga aacctgaaaa tacctatagt gcggtaactt attaactaac 720
 atttaaatat taacaataca cttggaaata ttagttaaaa ataaatcatt atgatttctc 780
 atcaatcctg gtgctcacgc aaagttgcc accccataat aataagacca tagaacaagc 840
 aaagtaatac acccacagtc gcaagattat agaatcgccg tggatattcg gcattctccg 900
 ctaaagttgg ttgggtaata accaatagat 930

<210> 113
 <211> 659
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (238)..(239)
 <223> n equals a, t, g, or c

<400> 113
 acgatatccc ccctctgctt ttgagaggca atctgcttta atacatgatt catcacaaca 60
 cctcttgctg cgctttgatc ttaattttat atttttgggt agggaaaagt aattgccctt 120
 gatacggctc accatttacc aacgtttcac agctatgttc cagagctaaa ttaagacctg 180
 gtagaatatc ccagcaattc acccctttga cattttcaaa gctgtcataa gcaccggna 240
 agggggggcc aacatgttat acatggagca gccaatgata cgatattcaa agccctcttc 300
 cagttgcac agatcctgct ttgtaasgga ggaagagagg ccacgaatac gagagcgatg 360
 atgtgtaatc ggcatacctg tgatatgaag atcattcaat tcaggtaaga agatgcagga 420
 ctcttgatgt ttcccctcgg tgtaaagtct gataccaatg cccactctt tgagcccaga 480
 gacaaagttt tctgtgccat caattggatc tagaacaatg taagaacctt tgggattcca 540
 ctcaatatct cctaaagggg ctaattcctc tgaaattagc acatgccctg gtagatgctt 600
 tctacagagt tcgaaaacta tatcttgaac ttttagatcc agtactgcgg ccgcatcc 659

<210> 114
 <211> 556
 <212> DNA
 <213> Escherichia coli

<400> 114
 cccggatata catcaggaga aattggagca gcaattggat gcgccattaa tgcttggtta 60
 gggatccccg catgtgggca cgcaaaggc tcagaatatg atcgaccttc accagataaa 120

ccaaatctga gcgaaccatt tatcccaaga cccacgtatg acgcttcact tcattcctgg 180
catggcggat actgagtaaa tcatcctgaa tcattatgtt caacatcatc aattctccgg 240
acttggtgtc agatgtccgg agaataataa ccttttcttc agaaacagaw tgatcaagaa 300
tcacactcct tctttaagag gattttatcc agaaaactga ctttcttcta tcaaaatmac 360
agtatcctgt tttatcagga ataatcttta cctccggtat cattcccata atcagatatc 420
agaaaaatgt gccagtaatt tttactgat gacttcaaac atttcacatt catcacacgt 480
cagattactc caaagttctt tcagatatgt gttctgcgcc agagtgagtc tctgaataaa 540
aaacatacct tcagac 556

<210> 115
<211> 503
<212> DNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (60)..(60)
<223> n equals a, t, g, or c

<220>
<221> misc_feature
<222> (65)..(65)
<223> n equals a, t, g, or c

<220>
<221> misc_feature
<222> (90)..(90)
<223> n equals a, t, g, or c

<220>
<221> misc_feature
<222> (460)..(460)
<223> n equals a, t, g, or c

<220>
<221> misc_feature
<222> (496)..(496)
<223> n equals a, t, g, or c

<400> 115
tacctgtttg tggaatttga cccagaagtg attcatacca cgactatcaa cgcgaccggn 60
gtgtncagcc acttcgtgcg ctttggcgtn gcgagcgata gtcccatcgg cggttattca 120
tcagctatcg gtatataaac cgaaagacat tgtcgattcc ggcaaccctt tatccgggtg 180

ataaggtgat tattaccgaa gcgcgttcga aggctttcag gccattttca ccgaacccga 240
 tgggtgaggct cgctccatgc tattgcttaa tcttattaat aaagagatta agcacagtgt 300
 gaagaatacc gagttccgca aactctaaaa cgcaatccca aacagtgttt tgacattagc 360
 atccgtggtg gcagccagcc atgcggcatc ttctccacgc cagtgcgcaa tacgttgcaa 420
 aatatggggc agatgggctg gctcgttgcg ccgggatgan ggctttggcg tgagatcgcg 480
 agggagcaga tacgngcat cag 503

<210> 116
 <211> 433
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (138)..(138)
 <223> n equals a, t, g, or c

<400> 116
 ttttaacatca aaattacctg cagctgaaat gattttgctg atttcattaa ttaatggatt 60
 aagattaccc tgacttccat aggctaatagc atcattccca tacacataac ttgccttatt 120
 attactctgt tgatactnaa gtgccttttt aagggaaatct ggtgtgatta ccctgccgtc 180
 tttatcaaaa atctgctcta tctgggtgatt agagatatca cctgactctt tttcaaacca 240
 gtttttaaata gtaataccat ttttgtggcc aatggaaaga acattacctt cagctttata 300
 catgatgagg tcattacctt ctgcctgaa ggccacatcc cggaaatcaa tatcagccaa 360
 actgagttta tcgtctttcc ccccatcatc gtcaataata tgatggccat atcctgaaag 420
 ataacgataa ata 433

<210> 117
 <211> 302
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n equals a, t, g, or c

<400> 117

gcgctctgtt cccgttcctg ttcacaccca tcgcctgtgg tgcggtatct ggcttccacg 60
 cgctgatctc ttccggtacg acgcaaaaac tgctgggctaa tgaaaccgac gcgcggttca 120
 tcggctacgg cgcaatgctg atggagtcct tcgtggcgat tatggcgctg gttgctgcgt 180
 ccatcatcga accgggtctt tacttcgcga tgaacacccc gcctgctggc cttggcatca 240
 ccatgcctaa cctgcatgaa atgggggtggc gagaacgcgn cggattcatc atggcgcant 300
 ga 302

<210> 118
 <211> 656
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (628)..(628)
 <223> n equals a, t, g, or c

<400> 118
 aattaataag ccaaatacta catcacgtaa tacttgcaaa gaagtgcgtg gagtttgact 60
 aataatgggt ttgtccatta atacttacct aaataatcgg ctcattatag caacgagcct 120
 ccgattaaaa tttaaaatac tcaatcattt aatagcaacg ttagcagcta cagcgatttg 180
 ataaataatt tgtgtgatat ctttaaataa ttgcatgggt ttgctatcaa cctgaggtag 240
 aaccaatatc tgatcccccg gttgtacttt accttgccct ttaaattcta caagaccatt 300
 tgcatgtaca atagcaattc gcttgctcgt agctcgctca gtaaaacctc cggcccatgc 360
 aacataatca tccaaattag catcggcatt atatactact gcttggtggca tcaacacttc 420
 accccccact tgaataagat cagtcttatt tggaataact atttgatcgc cttgtttctaa 480
 ttggatawtg gcaataacac ctttatctgc aactactact ttaccaagcg gtkgaacttt 540
 acgagccttt ycaacaaact gcataactaa ctctgcttct ttagcacgta tattgcctc 600
 accatcagat cgcgcgggtg tggtaaantt catacgttcc aagcgggtta gagatt 656

<210> 119
 <211> 436
 <212> DNA
 <213> Escherichia coli

<400> 119
 atatgttatc tggatccaga taaagagcgt tcttgacctg ctatatccag acaggtcagt 60
 tacaccctgt ccggaaaaaac tgatcggaat aacaacagta tattttctaa tacactggca 120
 aatggtgccg gcggtgtggg gattcagctt ctggatagcg ctggtaatgc ggttgctgct 180

00956004-092001

```
<210> 120
<211> 559
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (499)..(499)
<223> n equals a, t, g, or c
```

<400>	120						
aataattaaa	tttggaggga	tcagttttct	gataatgttc	tgttattaaa	acattatccc		60
atggggcgta	gttatatcaa	ttagcaggat	cttatgagtt	aactaacatc	agttttgaat		120
ttttaatggg	ggtaatttat	cttttactaa	aaatatttta	actattaata	tagcatcatg		180
gttgttacgg	tttgttttaa	ttctatttta	taatgtgcta	tatattgtat	ttttgtgctt		240
agataaatat	gttttttcat	tacttttagtg	atgttaatat	tttgcggtgta	gtaaaaatca		300
ttgtttataac	aaatgtcact	gttgctatac	tttgctgaac	tgtttatcgg	tcattttgat		360
tcaatcactg	gttctatatt	ttttaataac	cgttctgtag	cgattaatat	attgctctcc		420
agaggataca	ctatatgaaa	tatattaaaa	gtcattaatt	tnattcaat	gttgtttaga		480
gttatgttca	gtgtttggn	ataggatgtg	tttctaaacc	gtcttggggt	ctataataaa		540
ttctattctt	anagggttt						559

```
<210> 121
<211> 481
<212> DNA
<213> Escherichia coli
```

<400> 121
catgtccctt cctgaatact ggggagaaga gcacgtatgg tgggacggca gggctgcttt 60
tcatggtgag gttgtcagac ctgcctgtac tctggcgatg gaagacgcct ggcagattat 120
tgatatgggg gaaaccccg g tacggattta cagaatgggt tctccggacc tgaaagaaaa 180
ttcagcctcc ggctcaggaa ttgtgaattt aacagtcagg gtgggaacct tttctctgat 240
tcccggataa gggtgacttt cgatggcgtc cggggtgaaa cgccggataa gtttaattta 300
tccggtcagg caaaaggcat taatctgcag atagctgatg tcaggggaaa tattgcccgg 360
gcaggaaaag taatgcctgc aataccattg acgggtaatg aagaagcgct ggattacacc 420
ctcagaattg tgagaacgga aaaaaacttg aagccggaaa ttattttgct gtctgggatt 480
a 481

<210> 122
<211> 535
<212> DNA
<213> Escherichia coli

<400> 122
ccatatagtg acttcattga acaaaatgta aatggaatct tgctggagaa tgaccacat 60
atatggataa aagctctttc attacttggt agtgcagatc ataaacgtag cgagttggcg 120
ttcaatgcta aaaaatatgc ttgtaaaatt gtaggtgtcg agtaaaaaga tttttttatt 180
taattggtgc tattgaatgt ttaaaaatcg aactgattgg tgttttaata ttaatcatag 240
gttatgatgc aaaaatatat taggcattgc ctgcttcaat taacttgaga gtgtaagttg 300
aattgaaata tggttatatg ataaagcaat atatgttaat acatatgtca accgaaaatg 360
ccattatgtg ttttttactt tatctgtaac gacacaatat ataaaataag gctaataatc 420
aaaacgcttt ttaatttgat tgttttgaat caagtgacta agaaattctc ttgctgcaaa 480
taactccctt agtgattttt tttgagtcta ttttattctc tgggcatggg catgc 535

<210> 123
<211> 412
<212> DNA
<213> Escherichia coli

<400> 123
ccggcccat aatgatgggt ttattaaggt tagcgccgac ggtttcgatg aacgatttca 60
ggtcggtatc tttaaaatta gcggtgaaag tggcttcttc cgcccagacc ggtgaactgc 120
ataatgccgc tgccagcacc agcggcagta aacgcttttt tgttttgagg ccagttgtct 180
tcttacgcca gaccgacaac gtcatatcac gccaaaacac gatgaatgat tctcctggat 240

095004-092001

taaatgcggt tagcgcagcg cgatggaaat gtcgtggcgc gcacccttgc gtaaaaccgt 300
 aagttgaatg gaatccattg aaggtaactg ccgcatcaga gcaatcattg ctcgtggatc 360
 agtgaaatcc tgctgattta gcgcaaatgc gatatcgctt tccttaaaac cg 412

<210> 124
 <211> 576
 <212> DNA
 <213> Escherichia coli

<400> 124
 tagcctgttc agcgtatatt tgggatgaga agccaaagt gctttggtgg tgtcccagcc 60
 caggttttta ttactgctgg ttatttacct ttcattgttt tcaataaagt tgtgactcag 120
 ttgaaatctg ctgtcaatgc taatatggga cttttttggt atagacaagt gactcctttt 180
 gcaactttta tagcacgttt tatgctagaa acaatgggtg gcattgattg cgggtataatc 240
 ctagtactag gattattgtg gtttggttt gatgcaatac ctgcggatcc attgcaagtg 300
 atccttggtt attctcttct gatgctgttt tctttttctc ttggtattgt attttgtgtt 360
 atttgtaatt krgcgaraga ggcagataaa tttcttagct tgttaatgat gcctttgatg 420
 tttatctctt gtgttatgtt tctcttgct actattcccc ctcaatatca gcattggggtt 480
 tttatggaat ccacttgtgc atgctgtaga actaatccga agggcatggg atatctgggt 540
 tatcgtagtc ctgatgtaag ttgggcgtat ctgtcg 576

<210> 125
 <211> 132
 <212> DNA
 <213> Escherichia coli

<400> 125
 ttaccaagca ggatctgatg caactggaag aaggctttga atatcgtatc attggctgct 60
 ccatgtataa catgttggcc gccgtacgcg gtgcctatga cagctttgaa aatgtcaaag 120
 ggggtgaattg ct 132

<210> 126
 <211> 542
 <212> DNA
 <213> Escherichia coli

<400> 126
 gattaggggt cactcaggat tataaaaaag cggcagaata ctataaaaaa ggtgataaaa 60
 ataatgatat tacagcacia taccgtctgg caaaaacttta tgaacaaggt aacgggtgaa 120
 aacgtgatta tcaacaagcg ataaaccttt accttaaaca tatcaacaga atggatcaca 180
 tcaactgcccc cagttttgtg gctctgggtg atatctattc tctgggatts ggggtagaga 240

aaaaccacac actggctgaa aaatgggtatc aaaaagcgat agatgcagct aatacacaaac 300
 ataaccagga aataaatcat taaacgacaa cacttaatac catattgtga agatgttcag 360
 acatggcgga attcccctat tctttgttgg cgcttacaac agactatatt cgcctatc 420
 tgtctttatt gtgtataaac catcgatact gatgtttgat agtgctaaat aatcattggc 480
 gcaatcacia agcctaagc cactccagca ataattcccc ccaaccagg cagcataaat 540
 gg 542

<210> 127
 <211> 382
 <212> DNA
 <213> Escherichia coli

<400> 127
 gaaccactta gcggcagcta tcgggaatcg cctgctgaaa gacggtcaga cagtgttgt 60
 ggttaccgtg gctgatgtta tgagtgcct gcacgccagc tatgacgatg ggcagtcagg 120
 cgaaaaattt ttgcgggaac tgtgcgaagt ggatctgctg gttcttgatg aaattggcat 180
 tcagcgcgag acgaaaaacg aagcagggtg tactgcacca gattgttgat cgccggacag 240
 cgtcgatgcg cacgtgggga trctgacaaa cctgaactat gaggccatga aaacattgct 300
 cggcgarcgg attatggatc rcattgacct gaacggcggg cgatgggtga attttaactg 360
 ggagactggc gtccgaatgt cg 382

<210> 128
 <211> 126
 <212> DNA
 <213> Escherichia coli

<400> 128
 cgtcccgac ccggaaatgg tcagcgaacc aatcagcagg gtcacgcta gaaatcatcc 60
 ttagcgaaag ctaaggattt tttttatctg aattctagcc agatccccgc tgatttatgc 120
 tggta 126

<210> 129
 <211> 258
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n equals a, t, g, or c

<220>

<221> misc_feature
 <222> (205)..(205)
 <223> n equals a, t, g, or c

<400> 129
 acccccagcc tagctggggg ttttctgtgc acaaaaaatc ccggcataat ggccgggatt 60
 tgcgagcttt cccactatct cttgattcct aaacggaaca tatcagttgg gaataaagggt 120
 tgtattatca cttcatcatt anaaatgaat aatttgggcg ataaagctgt tacgtcatag 180
 atattttcag cgattaatct taganttgac ctaaaaactg gaatacttgc atcatctgca 240
 aagacaaaca tgtcatcg 258

<210> 130
 <211> 399
 <212> DNA
 <213> Escherichia coli

<400> 130
 aaccagcggg tgcgcatcgc tcatccact gactctccgc ttttgacaga tctgcatatc 60
 ctcggggccaa cttatccagt actccgtagt ttgccgattt attcaccgc cagaacaccg 120
 cctcacctgc atcggcaagc cggggggaaa actgataccc cagtagccag aacagaccga 180
 aaataatatc gctgctaccc gcagtgtctg tcatgatttc aactggattc agccctgtct 240
 gctgctcaag aagtccttcc agtacaaaaa tcgaatcccg taatgtaccg ggtaccacaa 300
 tgccatggaa cccagagtac tgatcagata cgaattatac caggtgatgc ctgctccaga 360
 accaaaatat tttctggttag atcctgagtt gatggtctt 399

<210> 131
 <211> 745
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (323)..(323)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n equals a, t, g, or c

09956004-092001

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (715)..(715)
 <223> n equals a, t, g, or c

<400> 131
 aaataacatc aacatacatt tgactcgcgg gggaaacggt tacggagtct tcatactggc 60
 acttttttat gctgctgact actcttcgtc atcgccatca acatgcgcac gaatcagcgc 120
 cataaacggt ttgccaaagc gttccagctt gcgcattcca acgccgttaa cgctgagcat 180
 ttogctggcg gtgatcggca tctgttcagc catctcaatc aaggttgctg cgttaaacac 240
 cacgtacggc gggacattac tttcatcggc tatcgattta cgcagtttgc gtaattnggc 300
 gaacagtttg cgatcatagt tgnccgcgan cgatntctgc atcgctttcg gtttgagcgc 360
 cacgatacgc ggcacggcaa ttgcaaagag gattcgccgc gcagcaccgg gcgcgcggcc 420
 tctgtcagtt gtagggcaga atgctgggca atattttgcg tcaccaggcc gaggtgaatc 480
 agctggcgga tcacgctcac ccaatgttca tggcttttat cacggcccat gccatagact 540
 ttcagtttgt catgaccata gtcgcggata cgctgggtat tagcaccacg aatcacttcc 600
 accacataac ccatcccaaa ccgctgattc acacgaccaa tgggtggaaag ggcaatctga 660
 gcatcggttg aaccgtcgta ctgtttcggc ggatcgaggc agatatcgca gttcnccgca 720
 cggtcctga cgcccttcgc caaaa 745

<210> 132
 <211> 439
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (108)..(108)
 <223> n equals a, t, g, or c

<400> 132
 agaatggcgg cttcttgccc ccctttgccc cggctcctgac tagcatggct ggagtccagt 60
 gtccaggcca cgaccatgct catcatggaa gcagcttttg tagtacantc gcagcttatt 120
 ttcttggaac gaaatgtctg gcatcgtggt gcataacata acccccaatg cccagcagat 180
 gcacagaagg ttctagaatc gccactgat atcccataca aaatttacca aaacgtgttc 240

gtattttctcg tataaataat gtctctatgg tgacgttcta gacttcaaac ccactttttg 300
 aatttgatga tgtgctccta atctcttcag gaatgtaacg cccttggttt acagctacca 360
 atacactgga ggtatactta tctgcaactg gatgaactag atgtacttga gcaaacattt 420
 cataagctcg acgacagtt 439

<210> 133
 <211> 350
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (208)..(208)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n equals a, t, g, or c

<400> 133
 ctggaaagcg acgttgatgg attaatgcag tcggtaaaac tgaacgctgc tcaggcaagg 60
 cagcaacttc ctgatgacgc gacgctgcgc caccaantca tggaacgttt gatcatggat 120
 caamtcatcc tgcagatggg gcagaaaatg ggagtgaana tctccgatga gcagctggat 180
 caggcgattg ctaacatcgc gaaacagnac aacatgacgc tggatcagat gcgcaccgctc 240
 tggcttacga tggactgaac tacaacacct atcgtaacca gatccgcaaa gagatgatta 300
 tctctgaagt gcgtaacaac gaggtgcgctc gtcgnatcac catcctgccg 350

<210> 134
 <211> 400
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (256)..(256)
 <223>

<220>
 <221> misc_feature

09956004.092004

```
<210> 136
<211> 584
<212> DNA
<213> Escherichia coli
```

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (467)..(467)
 <223> n equals a, t, g, or c

<400> 136
 ttgggtcagcc gtacctgaat gggggctgat gcccggtg ttaatggcag gtggctgat 60
 cgcttggttt gtcggttggc gcaaaacacg ctgatttttt catcgctcaa ggcgggcccgt 120
 gtaacgtata atgcggcttt gtttaatcat catctaccac agaggaacat gtatgggtgg 180
 tatcagtatt tggcagttat tgattattgc cgtcatcggt gtactgcttt ttggcaccaa 240
 aaagctcggc tccatcggtt ccgatcttgg tgcgtcgatc aaaggcttta aaaaagcaat 300
 gagcgatgat gaaccaaagc aggataaaac cagtcaggat gctgatttta ctgcgaaaac 360
 tatcgccgat aagcaggcgg atacgaatca ggaacaggct aaaacagaag acgcgaagcc 420
 tacgntaaaag agcaggtgta atccgtgttt gatatcggtt ttagcgnact gctattggtg 480
 ttcacatcgc gcctcgtcgt tctggggggc caacgactgc ctgtggcggg aaaaacggta 540
 gcgggctgga ttcgcgcggt gcgttcactg gcgacaacgg tgca 584

<210> 137
 <211> 527
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (108)..(108)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (191)..(191)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (513)..(513)

09956004-092004

<223> n equals a, t, g, or c

<220>

<221> misc_feature

<222> (525)..(525)

<223> n equals a, t, g, or c

<400> 137

```
gcaggcagga ggaactgccc agtgatacgg ttattcgtga tggcggaggg cagagcctta      60
acggactggc gttgaacacc acgctggata acagagttga gcattggnta cacgggggag      120
ggaaagcaga cgttacaatt attaaccagg atgtttaccc agaccataaa acatggcgga      180
ttggcaaccg naaccatcgt caacaccggt gcagaagktg gtccggagtc tgaaaatgtg      240
tccagcggtc agatggtcgg agggacggct gaatccacca ccatcaacaa aaatggccgg      300
cagttatctg gtcttcgggg atggcacggg acacctcat ttgcgctggt ggtgaccaga      360
cggtacacgg agaggcacat aacacccgac tggagggagg ttaaccagta tgtacacaac      420
ggtggcacgg caacagagac gctgataaac cgtgatggct ggcaggtgat taaggaagga      480
gggaactgcc ggcgcatcac caccatcaan ccngaaaagg gaaanct                      527
```

<210> 138

<211> 441

<212> DNA

<213> Escherichia coli

<220>

<221> misc_feature

<222> (440)..(440)

<223> n equals a, t, g, or c

<400> 138

```
gtcagtctct gggggaagtg cgtgttccga ccggggaaat gtggtggaga aagttattga      60
aggggcttac gaggtggtgg ggggttttga ccggattgag gaaaagcgtg atgccatgca      120
gtcgttgatt ctgccgccac cggacgccag gcgctggcac aggcggcact gacttaccgt      180
tatggtgacg aacmtcarcc cgtcaccacc gccgacattc tgacaccacg acgccgggar      240
gattacggta aggacctgtg gagtgcctat cagaccattc aggagaatat gctgaaaggg      300
ggaatttccg gtcgcagtgc cagaggaaaa cgtatccata cccgtgccat tcacagcatc      360
gacaccgaca ttaagctcaa ccgcgcattg tgggtgatgg ctgaaacgct gctggagagt      420
atgcgctgat gccgtttccn t                                                  441
```

<210> 139

<211> 398

09955004-09201

<212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (164)..(164)
 <223> n equals a, t, g, or c

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n equals a, t, g, or c

<400> 139
 cgagcgagat gaacttcgag ggcgggtgtga gccagtcggc ttacgagaca ctggcggcgc 60
 ttaatctgcc gaaaccgcag caagggccgg aaaccattaa tcagggtacc gagcataaga 120
 tgtcagctga gtaagcctgt atgccggata aggcgctcgc gccnattccg atgaaataag 180
 gcgcacgcgg cctgaaggaa agccgtatgn atacaccgc agcccgcatc cggcaagtta 240
 caacaaataa cctttaacca tgctttttga tgtttttcag caatacccg cggcgatgcc 300
 catactggca accgtcggga gggattgatc atcggcagtt ttttgaatgt ggtgatttgg 360
 gcgttacccc atcatgctgc gccaacaaat ggcggagt 398

<210> 140
 <211> 580
 <212> DNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (566)..(566)
 <223> n equals a, t, g, or c

<400> 140
 gccgaacaga cacagcaata tgaaccctgc cagcgcagac gcttgctgat taatgctctg 60
 aacaaaaggc gaagaatggc aaatcctgcg atcagcaaag tcagcgcacc gactatctgt 120
 aacatagtca ctccgtgatg aatatcatgt gtattgtgaa tgccagtga tgtggcactg 180
 aagcgtttgc acctgtccgg gtcccggtca tgatgaccgs aacagagaga caatgccgaa 240
 ttatcagaag gtcacattca gtgtggcttg gccgttataa cttcagcgc tgctgccgct 300
 gacgctgtgg gcataaccgg cctgaacgcc cagggtgata tttcccgga cacgggcttc 360
 cagtcgggcc tgcagctcca gtgacgtgcc attccgggac ggtgagaacg tcatgttact 420
 gccggctgcg gctgtacca tgctcatgtc tccccgggag ctgaaggtgc ggataacaga 480
 aggctgtacc caccggttca ccggcagttc acgcacactg tgttttgcac tgtcacgcaa 540

095604-092001

580

```
<220>
<221> misc_feature
<222> (388)..(388)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (399)..(399)
<223> n equals a, t, g, or c
```

```
<220>
<221> misc_feature
<222> (415)..(415)
<223> n equals a, t, g, or c
```

[illegible]

```
<210> 142
<211> 327
<212> DNA
<213> Escherichia coli
```

```
<220>
<221> misc_feature
<222> (290)..(290)
<223> n equals a, t, g, or c
```

```
<400> 142
tgaatacgtt aagtcagcag accggcggag acagtctgac acagacagcg ctgcagcagt      60
atgagccggt ggtggttggc tctccgcaat ggcacgatga actggcaggt gccctgaata      120
```

atattgccgg agttcgccac tgaccggtca gaccggtatc agtgatgact ggccactgcc	180
ttccgtcaac aatggatacc tggttccgtc cacggacccg gacagtccgt atctgattac	240
ggtgaacccg aaactggatr gtctcggaca ggtggacagc catttgtttn ccggactgta	300
tgagcttctt ggagcgaaac cgggtca	327

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